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PATENT

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IN THE UNITED STATES DESIGNATED OFFICE (DO/US)

09/806,039

U.S. APPLICATION NO.

PCT/JP00/04416

INTERNATIONAL APPLICATION NO.

3 July 2000

INTERNATIONAL FILING DATE

27 July 1999

PRIORITY DATE CLAIMED

TITLE OF INVENTION

DROPLET SPRAYING DEVICE AND METHOD OF MANUFACTURING THE
SPRAYING DEVICE

APPLICANT(S) FOR DO/US

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Attention: DO/US

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Elizabeth A. VanAntwerp

PRELIMINARY AMENDMENT

Sir:

Prior to examination, Applicant wishes to amend the subject application as follows:

In the Specification:

Please replace page 1, line 13 to page 2, line 9, with the following:

Description of the Prior Art

A conventional liquid-drop spraying device is a liquid-drop spraying device performing spraying by discharging a liquid-drop from discharging outlet due to the volume changes of a plurality of pressure rooms, which are connected to the common pass via inlets provided in these respective pressure rooms, piezo-electric / electrostrictive element is formed on one portion of wall in every pressure room and the relevant element is changed in shape by voltage signal applied to the relevant element. Then, in the case where a large amount of a liquid is discharged by use of a raw material fuel discharging device, a large number of discharging unit providing one piezo-electric / electrostrictive element in one pressure room have been placed on a liquid-drop spraying device or discharging period has been made shorter. In such a liquid-drop spraying device, for example, as a fuel ejecting device densely arraying a large number of